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Attorney Docket No. AIS-0008

PTO/SB/01 (3-97)
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nder the Paperwork Reduction Act	of 1995, no persons are required	to respond to a collection of infer	mation unless it displays a valid OMB control number. AIS-0008			
DECLARATION FOR		Attorney Docket No. First Named Invento				
UTILITY OR DESIGN		First Named Invento	IPLETE IF KNOWN			
PATENT APPLICATION		The second secon	The second secon			
~~		Application No.	August 21, 2003			
Declaration	Declaration	Filing Date	ABSUN 21, 25			
submitted with or	submitted after	Group Art Unit Examiner Name	the state of the s			
initial filing	initial filing	Examiner reame				
As a below named invento						
inventor (if plural names		Contract one name is liste	to my name. d below) or an original, first and joint laimed and for which a patent is sought			
on the invention entitled: METHO	D FOR FORMIN	G JOSEPHSON J	UNCTION,			
JOSEPA	HSON JUNCTIO	N AND APPARAT	US USING			
	JOSEPHSO	ON JUNCTION	The second secon			
	•	itle of the Invention)				
the specification of which is attached hereto or	•					
was filed on Aug		States Application Num				
claims, as amended by ar	iy amendment specifica	my referred to above.	ve identified specification, including the			
I acknowledge the duty to Federal Regulations § 1.5	o disclose information v 56.	which is material to paten	nability as defined in Title 37, Code of			
application(s) for patent designated at least one co	or inventor's certificate numry other than the Un	or § 365(a) or any PC1 miled States of America, I tion for patent or invento	c §119 (a)-(d) of any foreign international application which isted below and have also identified r's certificate, or of any PCT n on which priority is claimed.			
Prior Foreign Application Number	r(s) County	(MM/DD/YY)	Priority Certified Copy Attached Not claimed YES NO			
2002-240313	Japan	August/21/2002				
		mental priority data sheet PTO/SB	AD2B attached hereto:			
Additional foreign application	mimpers are usico on a supple	mentar principly data short i 10000	and amplication(a) listed below.			
and the second s	the state of the s	9(e) of any United States provision	Additional provisional application			
Application Number (s) Filing Date ((MM/DD/YY)	numbers are listed on a supplementa priority data sheet PTO/SB/02B attached hereto.			



Attorney Docket No. AIS-0008

Prossetype a plus sign in this box:

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I hereby claim the benefit under Title listed below and, insofte as the subjec- by the first paragraph of Tide 35, this Regulations § 1.56 which became ava	i maner of each of the claims	s of this application is	not disclosed in the pri-	or United States or I	CI Internationa intability as defi- ng date of this ap	d application in the maned in Title 37. Code polication.	ation provided of Feileral
U.S Parent Applicati		Parent	Parent Fili		Paren	t Patent Nur	nber
Number		Number		YYYY)	6	(if applicable)	
Additional D.S. or PGT in	temational application n	umbers are listed (n a supplemental pri	ority data sheet P	'TO/SB/02B a	mached hereto.	
As a named inventor, I hereby a	point the following regi-	stered practitioner	s) to prosecute this a	pplication and to	transact all lu	isiness in the Pater	าเ ลาเป
Trademark Office connected the	rewith: 🔯 Customer N and	fumber 23353	ne/registration numb		4	lace Customer miber Bar Code Label Here	
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Name		ation No.	Nam		<u></u>	Registration No	3.
Richard D. Graner		** *	evin D. Rutherlon	I		40,412	
David T. Nikaido		.,	llenn E. Forbis			40,610	
Ronald P. Kananen	7		ec Chong			40,949	
Ralph T. Rader		•	ristin L. Murphy			41,212	
Carl Schaukowitch			latthew J. Russo			41,282	
Michael D. Fishman	**		obert S. Green			41,800	
Joseph V. Coppola, Sr.		•-	imes F. Kainp		41,882		
Michael B. Stewart			rian K. Dutton			47,255	
Alexander D. Rabinovich		7,425 S	huwn B. Cage			51,522	
Additional registered practit	ioner(s) named on supple	emental Registered	Practitioner Informa	tion sheet PTO/5	SB/02C attach	ed hereto.	
Direct all correspondence to 🗵 Customer Number 23353 or 🗌 Correspondence Address belo or Bar Code Label				low			
Name Ra	der Fishman & Gr	rauer PLLC					
Address 12	33 20th Street, N.	W., Suite 501					
City, State, Zip W	ashington, D.C.	20036					
Country US	2 or a 10 of 15 of	elephone	202-955-3750	Fax		2-955-3751	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and thittier that these statements were made with the knowledge that willful false attainents and the like so made are punishable by the or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jumped the validity of the application or any patent issued thereto.							
Name of First Inven	tor	A peti	tion has been	filed for this	s unsigned	d inventor.	
Given Name (first and middle [if any]) Family Name or Surname							
Akirā SHOJI							
Inventor's Signature	A	Shor	a de la companya della companya dell		Dated /2	1011	
Residence: City	Ibaraki	State	Country	Japan	Clt	izenship	Japan
Post Office Address	c/o National Institut	e of Advanced li	dustrial Science a	nd Technology	AIST Tsuki	iba Central 2. 1-	1.
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City	Ibaraki -	State	Zip	305-8568	Cou	intry Japa	an.
[X] Additional inventors are	being named on the L	ho latriserislerus	ditional inventoris	Scheet of PTO/	SB/02A nitri	ched historia	

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Approved for use through 6/10/98: OME 0651-0032

Patent and Tradsmark Office. US DEFARTMENT OF COMMERCE

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Name of Inventor			tion has been filed			
Criven Name (jirst and middle	(if any)		Family Name	or Sumanic	
Hirotake			YAMAMO	RI .		
Inventor's Signature	14	Jamo	moli	Da	1 /29/	′o3
Residences City	Ibaraki	State	Country	1	Citizenship	Japan
Post Office Address		stitute of Advance one, Isukuha-shi	ed Industrial Science	and Technology, A	IST Tsukuba Canir	
Сну	Ibaraki	State	Zip	305-8568	Country	Japan

(Rev. 03/ 01) OMB No. 0651-0027 (exp. 5/31/2002)	PATENTS		Patent and Trademark Office
To the Honorable Commission	er of Patents and Trademarks: P	Please record the attached original do	cuments or copy thereof
Name of conveying party((ies):	2. Name and address of receiv	ing party(ies)
Akira Shoji (12/01/2003) and (11/29/2003)	Hirotake Yamamori	Name: National Institute of A	
		Science and Techno	ogy
		Internal Address:	· · · · · · · · · · · · · · · · · · ·
Additional name(s) of conveying part attached?	y(ies) Yes x No	Street Address: 3-1, Kasumigaseki 1-chome Chiyoda-ku	
3. Nature of Conveyance:	Merger Change of Name	City: Tokyo	
Other			7: 100 0001
		Country: <u>Japan</u> Additional name(s) &	Zip: 100-8921
Execution Date: see Bo	ox 1, conveying parties	address(es) attached:	Yes x No
 Application number(s) or p If this document is being filed toget Patent Application No.(s): 10/644,801 	ther with a new application, the ex	ecution date of the new application is: B. Patent No.(s):	
·····	Additional numbers attache	ed? Yes x No	
Name and address of party to concerning document should		6. Total number of applications a patents involved:	and1
Name: RADER, FISHMAN &	GRAUER PLLC	7. Total fee (37 CFR 3.41)	\$ 40.00
Internal Address: Atty. Dkt.:	AIS-008	Enclosed	
Street Address: 1233 20th Street, N.W. Suite 501		Authorized to be charged (Form 2038 enclosed)	•
City:	State: Zip:	8. Deposit account number:	
Washington	DC 20036	(Attach duplicate copy of this page if	
	DO NOT USE 1		paying by bopoon booding
9. Statement and signature.			
-	and belief, the foregoing info	ormation is true and correct and a	ny attached copy
Shawn B. Cag		lun 1/ (490	December 22, 2003
Name of Person S	igning	Signature	Date
Total number of p	pages including cover sheet, attach	ments, and documents: 3	

Form PTO-1595

RECORDATION FORM COVER SHEET U.S. DEPARTMENT OF COMMERCE

Docket Number: AIS-0008

ASSIGNMENT

WHEREAS, I, as a below named inventor, residing at the address stated next to my name, am a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in

METHOD FOR FORMING JOSEPHSON JUNCTION, JOSEPHSON JUNCTION AND APPARATUS USING JOSEPHSON JUNCTION

for which application for Letters Patent of the United States of America was executed by me on the date indicated next to my name and address;

AND WHEREAS, National Institute of Advanced Industrial Science and Technology, a Japanese corporation with offices at 1-3-1, Kasumigaseki, Chiyoda-ku, Tokyo 100-8921 JAPAN, (hereinafter referenced as ASSIGNEES) is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;

NOW THEREFORE, in consideration of the sum of Ten Dollar (\$10.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEES, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the said United States Letters Patent to said ASSIGNEES, as the assignee of the whole right, title and interest thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEES or its designee, as ASSIGNEES or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements

Attorney Docket No. AIS-0008

in said invention, applications and Letters Patent of the United States and countries foreign thereto;

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid invention, as the ASSIGNEE thereof shall hereafter require and prepare at its own expense;

and I further agree that ASSIGNEES will, upon its request, be provided promptly with all pertiment facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;

And I hereby covenant that no essignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

And I hereby authorize and request my attorney(s) of record in this application to insert the serial number and filing date of this application in the spaces that follow:

Serial Number:

, Filing Date: August 21, 2003.

This assignment executed on the dates indicated below.

Akira SHOJI	A. Shori	12/01/03
Rirotake YAMAMORI	Signature Hannoum ori	11/29/03
	Signature	Date'
	Signature	Date
	Signature	Date